

Details of self help groups are included in the newsletter. Usually between four and six groups function in the practice at one time. These have included relaxation, yoga for men, first time mothers, parents of teenagers, and groups for those who wish to lose weight or give up smoking. The newsletter also contains items of health information—for instance, on hypodermis, flu jabs, taking your temperature, food labelling, and maintenance for holidays. Other items have included items of road dangers, book reviews, articles on the history of the practice, details of fundraising events held by the Practice Participation Association, and local issues related to health.

The newsletter covers four sides of A4 paper. A typical front page is shown in the figure.

How is the newsletter distributed?

During 1982 the practice register was arranged geographically by volunteers to create a street index. It is thus possible to identify patients who live in a household, and labels are printed with the names of individual patients, one label per household. The task of reorganising the practice register of 11,500 patients geographically would probably occupy a full time person for about three weeks.

Two voluntary managers organise the distribution of newsletters to individual households. One hundred and twenty volunteers have been recruited by advertisement in the newsletter and in the surgery. Most deliver 50 to 100 newsletters in a geographically limited area, usually near their homes. To meet the requirements of the local medical community that the newsletter should not be construed as advertising for the practice, each newsletter is folded in three, leaving the outside largely blank, and sealed with an address label.

The cost of producing each edition of the newsletter is approximately £150. This is met by the association, which has a successful fundraising group. The cost is low only because of the enormous amount of voluntary help offered by members of the practice. The self adhesive address labels cost £45 to produce for each edition, and

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this is met by the practice—the only cost to the doctors of the newsletter.

What does the newsletter achieve?

To assess what impact the newsletter has on members of the practice, a survey was carried out of patients' views of the newsletter. 178 patients who attended one of the surgeries and 42 patients who attended an open meeting of the association completed a questionnaire. Of these patients, 76% had heard of *Building Well*, most of whom knew that it was the newsletter of the practice association; 65% had read the last issue, though only 42% could remember a specific item in the last issue. Few patients made negative comments about the newsletter in the questionnaire, and no one has ever asked to be excluded from the delivery list.

There have been few spontaneous contributions from patients, but many people tell the deliverers that they welcome the newsletter, and several new patients have said how impressed they were by the evidence of community feeling in the practice. Delivering the newsletter is a simple task, and many people seem to enjoy having the opportunity to give something back to the practice in this way. Several have become group leaders or fundraisers, and the newsletter clearly performs an important recruiting role for the Practice Participation Association.

Conclusion

The practice newsletter has been produced regularly for three years with voluntary help, and thus the cost can be supported by the Practice Participation Association. Delivering it to households provides an unusual way of informing all members of the practice of the association's activities. It is hoped that the newsletter helps to promote a feeling among patients that they belong to a practice "community."

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Practice Research

Patterns of respiratory illness in the first year of life

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Abstract

This paper describes a study of respiratory illness during the first year of life in a cohort of infants who were born between 1975 and 1978 to mothers who were registered with two inner London group general practices. The types of respiratory illness and their relation to the seasons of the year and seasons of birth of the child are examined. The relations among the frequency and type of

respiratory illness and several social and family factors that have previously been shown to be associated with high levels of respiratory morbidity are also described.

Introduction

An association between various personal and family factors and an increased respiratory morbidity in children has been identified.¹⁻³ These community surveys have relied on the mothers' responses to questionnaires at interview about their infants' health to estimate the occurrence of respiratory illness. Such estimates have disagreed substantially with estimates derived from direct studies of respiratory illness in patients who have presented to attending general practitioners.⁴⁻⁶

Most serious respiratory illness in infancy is managed by general practitioners. Apart from the need for accurate diagnosis and effective treatment for the acute illness, the problem for the attending general practitioner is to identify and treat appropriately

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immediately after birth. By the time they are exposed to the second wave their defence mechanisms have matured sufficiently to

immediately after birth. By the time they are exposed to the second winter their defective mechanisms have matured sufficiently to protect them from infection. The role of immaturity can be elucidated only when simple methods of identifying viruses and of measuring the immune status of children become available for use in general practice. Studies carried out in hospital are unlikely to be helpful: only three of the 404 children in our study were admitted to hospital.

In this study the role of family health and social variables is not as clear cut as that reported by *Leeder et al.*. The striking finding in this study is the social class difference in frequency of consultation for respiratory illnesses, with high consultation rates for those whose fathers were in manual occupations. This is not explained by the fact that these children were more likely to be in the hospital.

In this study the role of family health and social variables is not as clear cut as that reported by Leeder *et al.* The striking finding is that study is the social class difference in frequency of consultation for respiratory illness, with high consultation rates for those whose fathers were in manual occupations. This is not explained by the fact that the families from which such children come are more likely to live in overcrowded conditions nor that the parents are more likely to smoke and have a productive cough nor that mothers of such children were less likely to breast feed. The fact that the propensity to consult for non-respiratory illness was similar for children whose fathers were in manual and non-manual work indicates that this is not a behavioural characteristic but is a true representation of the differential frequency of occurrence of respiratory illness according to parents' occupation.

Several conclusions arise from this study. Episodes of lower respiratory illness, defined as those in which there were one or more consultations at which asthmatic lung sounds were recorded, are particularly frequent in the children of manual workers. This cannot be explained by the child's social and family variables examined in this study such as overcrowding, smoking habits, and lack of breast feeding. The relation between these variables and lower respiratory

Several conclusions arise from this study. Episodes of lower respiratory illness, defined as those in which there were one or more consultations at which auscultation lung sounds were recorded, are particularly frequent in the children of manual workers. This cannot be explained by the many social and family variables examined in this study such as overcrowding, smoking habits, parents' respiratory symptoms, and breast feeding. The relative freedom from respiratory illness in the first three months of life and the seasonal incidence of lower respiratory illness in children were born in the winter reinforces the infective (as opposed to allergic) aetiology of lower respiratory illness in young children. Further studies of the aetiology of respiratory illness in children may more usefully focus on nutrition and immunity than on the traditional methods of environmental pollution.

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